

MERCATOR PROJECTION

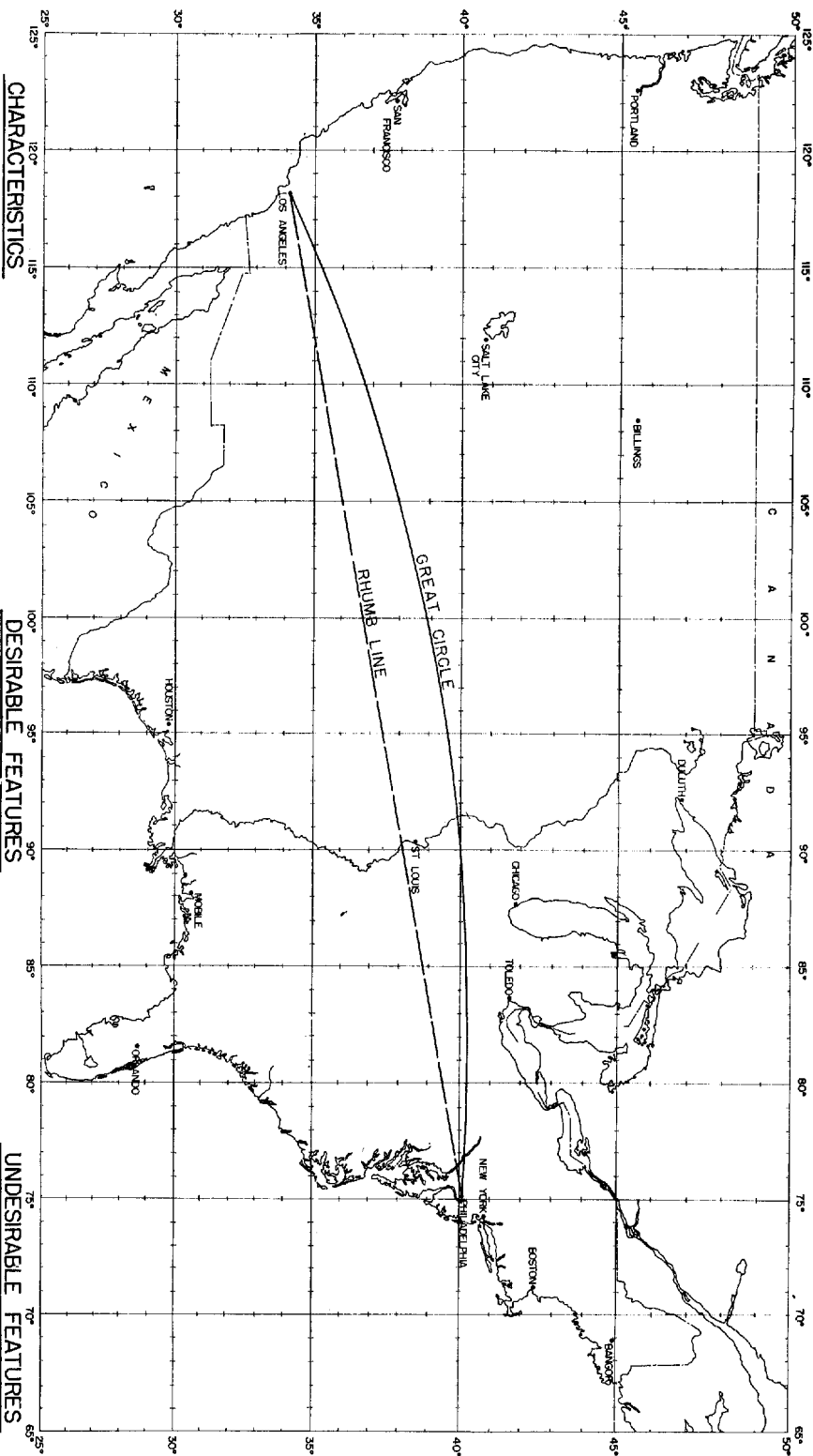
OF THE

UNITED STATES

TRUE SCALE AT LATITUDE 35°

SCALE 1:5,000,000

This map has been reduced to approximately 1:19,300,000.



CHARACTERISTICS

1. DEVELOPED ON A CYLINDER TANGENT TO THE EARTH AT THE EQUATOR OR CUTTING THE EARTH AT SOME PARALLEL.
2. PARALLELS AND MERIDIANS ARE STRAIGHT LINES AND CROSS EACH OTHER AT RIGHT ANGLES.
3. MERIDIANS ARE ALWAYS THE SAME DISTANCE APART.
4. DISTANCES BETWEEN PARALLELS INCREASE GOING NORTH OF THE CENTRAL PARALLEL.
5. DISTANCES BETWEEN PARALLELS DECREASE GOING SOUTH OF THE CENTRAL PARALLEL.

DESIRABLE FEATURES

1. PROBABLY BEST NAVIGATION CHART DUE TO FACT THAT A RHUMB IS STRAIGHT LINE AND CAN BE READILY DRAWN FROM ONE POINT TO ANOTHER.
2. PROJECTION MAY BE CONSTRUCTED EASILY.
3. ANY NARROW BELT OF LATITUDE IS APPROXIMATELY TRUE SHAPE.
4. ADJACENT MAPS OF DIFFERENT SCALES MAY BE ENLARGED OR REDUCED TO FIT EXACTLY.
5. WORLD COVERAGE MAY BE OBTAINED IN AN EAST WEST DIRECTION.

UNDESIRABLE FEATURES

1. NOT SUITABLE FOR MAPS ABOVE OR BELOW THE 60° OF LATITUDE.
2. LAND AREAS DO NOT RETAIN THEIR TRUE SIZE.
3. CORRECT DISTANCES CANNOT BE SCALED DIRECTLY.